



DEGREE SHEET / 2019-2020 CATALOG		
Student name:		
Eagle ID:		
Eagle Email:		
Phone:		
<p>AS Mathematics</p> <p>The curriculum of the AS Mathematics degree prepares students with the mathematical courses (Calculus I,II, II, Linear Algebra, Ordinary Differential Equations and Numerical Analysis) needed in any scientific and engineering discipline. The AS Mathematics degree also articulates with the BS Mathematics degree.</p>		
GENERAL EDUCATION REQUIREMENTS (31 Credits)	SEMESTER	GRADE
AREA I: COMMUNICATIONS (6 Credits)		
ENGL 1110 Composition I (3) <i>Pre-requisites: ENG 109 or adequate score on the Course Placement Evaluation</i>		
Choose one of the following courses (3).		
ENGL 1120 Composition II (3) <i>Pre-requisite: ENG 1110</i>		
ENGL 1210 Technical Communications (3) <i>Pre-requisite: ENG 1110</i>		
AREA II: MATHEMATICS (3 Credits)		
Choose one of the following courses (3).		
MATH 1220 College Algebra (3) <i>Pre-Requisite: Math 1215</i>		
AREA III: LABORATORY SCIENCES (4 Credits) <i>You must select one science course with a lab</i>		
Area III Course (4)		
AREA IV: SOCIAL/BEHAVIORAL SCIENCES (3 Credits) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i> <i>You must select one Area IV course.</i>		
Area IV Course (3)		
AREA V: HUMANITIES (3 Credits) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i> <i>You must select one Area V course.</i>		
Area V Course (3)		

AREA VI: FINE ARTS (3 Credits) <i>You must select one Area VI course</i>		
Area VI Course (3)		
ADDITIONAL NINE CREDIT HOURS (9 Credits)		
COMM 1130 Public Speaking (3) <i>Pre-requisite: ENG 109</i>		
Choose one of the following Civics Courses (3)		
POLS 1100 Introduction to Political Science (3) POLS 1120 American National Government (3) CJUS 1110 Introduction to Criminal Justice (3) HIST 1110 United States History I (3) HIST 1120 United States History II (3)		
Choose one of the following STEMH recommended Courses (3)		
ENVS 2130 Critical Thinking in Science (3)		
PROGRAM REQUIREMENTS (28 Credits)		
MATH 1350 Introduction to Statistics (3) <i>Pre-requisite: MATH 1215</i>		
MATH 1250 Trigonometry and Pre-calculus (4) <i>Pre-requisite: MATH 1220</i>		
MATH 1510 Calculus I (4) <i>Pre-requisite: MATH 1250</i>		
MATH 1520 Calculus II (4) <i>Pre-requisite: MATH 1510</i>		
MATH 2530 Calculus III (4) <i>Pre-requisite: MATH 1520</i>		
MATH 2140 Introduction to Numerical Computing (3) <i>Pre-requisite: MATH 1520</i>		
MATH 2420 Introduction to Linear Algebra with Applications (3) <i>Pre-requisite: MATH 1510</i>		
MATH 2410 Introduction to Differential Equations (3) <i>Pre-requisite: MATH 1520</i>		
ELECTIVES (1 Credit Hour) Electives may be chosen from any NNMC College or department subject to advisor consultation.		
TOTAL CREDITS 60 CR		
ADVISOR APPROVAL	DATE	

SUGGESTED SEQUENCE OF COURSES

First Semester (16 crs)

ENG 1110 English Composition I (3)
MATH 1220 College Algebra (3)
MATH 1350 Introduction to Statistics (3)
MATH 1250 Trigonometry and Precalculus (4)
ENVS 2130 Critical Thinking in Science (3)

Second Semester (17 crs)

COMM 1130 Public Speaking (3)
CHEM 1215/L or GEOL 1110/L or ASTR 1115/L or PHYS 1230/L or BIOL 1110/L (4)
MATH 1510 Calculus I (4)
HUM/ART/SOC/Civics (3)
HUM/SOC/ART/Civics (3)

Third Semester (14 crs)

ENG 1120 or ENG 1210 (3)
MATH 1520 Calculus II (4)
HUM/SOC/ART/Civics (3)
HUM/SOC/ART/Civics (3)
Elective (1)

Fourth Semester (13 crs)

MATH 2530 Calculus III (4)
MATH 2140 Introduction to Numerical Computing (3)
MATH 2410 Introduction to Differential Equations (3)
MATH 2420 Introduction to Linear Algebra with Applications (3)